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In the Claims:

Please amend Claims 1, 7, 21, 26, 30 and 31, all as shown below. Applicant respectfully

reserves the right to prosecute any originally presented or canceled claims in a continuing or

future application.

1. (Currently Amended) A system for maintaining security in a distributed computing

environment, comprising:

(1) a policy manager, coupled to a network, including

a database for storing a security policy including a plurality of rules that control

user access to applications; and

a policy distributor, coupled to the database, for distributing the plurality of rules

through the network;

(2) a security engine located on a client coupled to the network and stored on a

computer readable storage medium, said security engine storing a set of the plurality of rules

constituting a local customized security policy received through the network from the policy

distributor, and enforcing the local customized security policy with respect to an application at

the client wherein enforcing the local customized security policy includes evaluating an access

request by matching it to one or more of the plurality of rules of the local customized security

policy and granting or denying access to the application based on the evaluation; and

(3) the application, coupled to the security engine, wherein the security engine guards

access to the particular application to which said security engine is coupled, each separate

application in the system being guarded by its own a different copy of access authorization

service such that separate applications do not share authorization services; and

wherein the security policy is updated by recording a series of incremental changes to

the security policy, determining which of said incremental changes are applicable to said

security engine, computing an accumulated delta that reflects the series of incremental changes

applicable to said security engine and sending the accumulated delta to the security engine

from the policy manager such that the security engine uses the accumulated delta to update the

local customized security policy, wherein each incremental change to a security policy includes

one or more rule changes in a security policy, and the accumulated delta is used to reconstruct

a previously distributed local customized security policy.

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2. (Previously presented) The system of claim 1, wherein the rules are stored separate

from the application rather than being embedded in the application.

3. (Previously presented) The system of claim 1, wherein the security engine further

comprises:

an engine for evaluating a request to access the application based on the set of the

plurality of rules; and

an application programming interface (API) for enabling the application and the engine to

communicate.

4. (Original) The system of claim 3, wherein the security engine further comprises: a plug-in

application programming interface (API) for extending capabilities of the security engine.

5. (Original) The system of claim 1, further comprising: location means for enabling

components in the system to locate each other through the network.

6. (Original) The system of claim 1, wherein the policy manager and the policy distributor

are hosted on a first server, the security engine and the application are hosted on a second

server, and the first and second servers are communicatively coupled to each other through the

network.

7. (Currently Amended) A system for maintaining security for an application in a distributed

computing environment, comprising:

an engine located at a client coupled to a network and stored on a computer readable

storage medium, the engine storing a set of rules constituting a local customized policy received

through the network from a centralized location, and enforcing the local customized policy at an

application level of the client;

an interface coupled to the engine for evaluating the local customized policy in order to

control access to an application at the client wherein evaluating the local customized policy

includes matching an access request to one or more of the plurality of rules of the local

customized policy and granting or denying access to the application based on the evaluation;

and

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the application, coupled to the interface so as to communicate with the engine, wherein

the engine guards access to the application that is coupled to said interface each separate

application in the system being guarded by its own a different copy of access authorization

service such that separate applications do not share authorization services;

wherein the local customized policy is updated by keeping track of incremental changes

to the policy, determining which of said incremental changes are applicable to said engine,

computing an accumulated delta that reflects all the incremental changes applicable to said

engine and sending the accumulated delta to the engine from the centralized location such that

the engine uses the delta to update the local customized policy, wherein each incremental

change to a policy includes one or more rule changes in a policy, and the accumulated delta is

used to reconstruct a previously distributed local customized policy.

8. (Previously presented) The system of claim 7, wherein the engine stores the rules

separate from the application rather than being embedded in the application.

9. (Original) The system of claim 7, further comprising: a plug-in application programming

interface (plug-in API) for extending capabilities of the security engine.

10-20. (Canceled)

21. (Currently Amended) A method for maintaining security in a distributed computing

environment, comprising:

maintaining a policy manager coupled to a network, including a database for storing a

security policy and a policy distributor, coupled to the database, for distributing a portion of the

security policy through the network;

maintaining a security engine located on a client coupled to the network, for storing a

local customized security policy received through the network from the policy distributor, and for

enforcing the local customized security policy with respect to an application at the client wherein

enforcing the local customized security policy includes evaluating an access request by

matching it to one or more of the plurality of rules of the local customized security policy and

granting or denying access to the application based on the evaluation; and

maintaining the application, coupled to the security engine, wherein the security engine

guards access to the particular application to which said security engine is coupled, each

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separate application in the system being guarded by its own \underline{a} different copy of access

authorization service such that separate applications do not share authorization services; and

receiving a series of incremental changes to the security policy at the policy manager;

determining which of said series of incremental changes are applicable to said security

engine;

computing an accumulated delta that reflects the series of incremental changes that are

applicable to said security engine; and

distributing the accumulated delta to the security engine on the client wherein the

security engine uses the delta to update the local customized security policy,

wherein each incremental changes to a security policy includes one or more rule

changes in a security policy, and the accumulated delta is used to reconstruct a previously

distributed local customized security policy.

22. (Previously presented) The method of claim 21, further comprising:

storing the accumulated delta in a policy change tracking table before distributing it to

the security engine.

23. (Previously presented) The method of claim 22, further comprising:

reconstructing an updated local customized security policy back to a previously

distributed version by using the accumulated delta stored in the policy change tracking table.

24. (Previously presented) The method of claim 21 wherein the security policy includes a

plurality of rules for controlling access to securable objects.

25. (Previously presented) The method of claim 24 wherein the series of incremental

changes include at least one or more of adding a rule, deleting a rule and amending a rule.

26. (Currently Amended) A method for maintaining security in a distributed computing

environment, comprising:

maintaining an engine at a client coupled to a network, the engine adapted to store a set

of rules constituting a local customized policy received through the network from a centralized

location, and for enforcing enforce the local customized policy at an application level of the

client;

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maintaining an interface coupled to the engine for evaluating the local customized policy

in order to control access to securable components wherein evaluating the local customized

policy includes matching an access request to one or more of the set of rules of the local

customized security policy and granting or denying access to the application based on the

evaluation; and

maintaining the application, coupled to the interface so as to communicate with the

engine, wherein the engine guards access to the application that is coupled to said interface

each separate application being guarded by its own a different copy of access authorization

service such that separate applications do not share authorization services;

receiving a series of incremental changes to the set of rules at the centralized location;

determining which of said incremental changes are applicable to said engine;

computing an accumulated delta to reflect the series of incremental changes that are

applicable to said engine; and

communicating the accumulated delta to the engine at the client such that the engine

employs the accumulated delta to update the local customized policy,

wherein each incremental change to a policy includes one or more rule changes in a

policy, and the accumulated delta is used to reconstruct a previously distributed local

customized policy.

27. (Previously presented) The method of claim 26, further comprising:

storing the accumulated delta in a policy change tracking table before distributing it to

the engine.

28. (Previously presented) The method of claim 27, further comprising:

reconstructing an updated local customized policy back to a previously distributed

version by employing the accumulated delta stored in the policy change tracking table.

29. (Previously presented) The method of claim 26 wherein the series of incremental

changes include at least one or more of adding a rule, deleting a rule and amending a rule.

30. (Currently Amended) A computer readable medium having instructions stored thereon

which when executed by one or more processors cause a system to:

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maintain a policy manager coupled to a network, including a database for storing a

security policy and a policy distributor, coupled to the database, for distributing a portion of the

security policy through the network;

maintain a security engine located on a client coupled to the network, for storing a local

customized security policy received through the network from the policy distributor, and for

enforcing the local customized security policy with respect to an application at the client wherein

enforcing the local customized security policy includes evaluating an access request by

matching it to one or more of the plurality of rules of the local customized security policy and

granting or denying access to the application based on the evaluation; and

maintain the application, coupled to the security engine, wherein the security engine

guards access to the particular application to which said security engine is coupled, each

separate application being guarded by its own a different copy of access authorization service

such that separate applications do not share authorization services; and

receive a series of incremental changes to the security policy at the policy manager;

determine which of said series of incremental changes are applicable to said security

engine;

compute an accumulated delta that reflects the series of incremental changes

applicable to said security engine; and

distribute the accumulated delta to the security engine on the client wherein the security

engine uses the delta to update the local customized security policy,

wherein each incremental changes to a security policy includes one or more rule

changes in a security policy, and the accumulated delta is used to reconstruct a previously

distributed local customized security policy.

31. (Currently Amended) A computer readable medium having instructions stored thereon

which when executed by one or more processors cause a system to:

maintain an engine at a client coupled to a network, the engine adapted to store a set of

rules constituting a local customized policy received through the network from a centralized

location, and for enforcing enforce the local customized policy at an application level of the

client;

maintain an interface coupled to the engine for evaluating the local customized policy in

order to control access to securable components wherein evaluating the local customized policy

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includes matching an access request to one or more of the set of rules of the local customized security policy and granting or denying access to the application based on the evaluation; and

maintain the application, coupled to the interface so as to communicate with the engine, wherein the engine guards access to the application that is coupled to said interface each separate application being guarded by its own <u>a</u> different copy of access authorization service such that separate applications do not share authorization services;

receive a series of incremental changes to the set of rules at the centralized location; determine which of said series of incremental changes are applicable to said engine; compute an accumulated delta to reflect the series of incremental changes applicable to said engine; and

communicate the accumulated delta to the engine at the client such that the engine employs the accumulated delta to update the local customized policy.

wherein each incremental changes to a policy includes one or more rule changes in a policy, and the accumulated delta is used to reconstruct a previously distributed local customized policy.